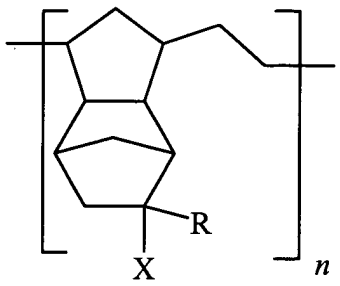
AMENDMENTS TO THE CLAIMS

This Listing Of Claims will replace all prior versions, and listings, of the claims in the application.

Listing of the Claims:

Claim 1 (Currently Amended): A process for producing an optical film from a polyolefin of ~~the~~ formula:



in which at every occurrence of the substituents R and X they are either both hydrogen or R is methyl and X is a polar group, and *n* is a number from 10 to 1000, ~~by casting a solution of the polyolefin in an organic solvent onto a substrate and evaporating the solvent, characterized in that it encompasses the~~ comprising steps of:

(i) dissolving the polyolefin in an organic solvent or solvent mixture,

(ii) casting the solution onto a smooth substrate in an atmosphere comprising at least [[1%]] 1 percent by volume of solvent vapor at a temperature below the boiling point of the solvent, with substantially laminar gas flow being maintained over the smooth substrate,

(iii) evaporating the solvent from the cast solution to obtain a self-supporting film, and

(iv) peeling the film away from the substrate and drying at a temperature rising to [[70-140]] 70 to 140 °C, without any resultant orientation of the film.

Claim 2 (Currently Amended): The process as claimed in claim 1, wherein ~~characterized in that~~ the organic solvent has been selected from the group consisting of dichloromethane, toluene, ~~and~~ cyclohexane[[,]] and ~~also~~ mixtures of these solvents.

Claim 3 (Currently Amended): The process as claimed in claim 2, wherein ~~characterized in that~~ the organic solvent is dichloromethane, and the casting procedure takes place at a temperature not above 35 °C.

Claim 4 (Currently Amended): The process as claimed in Claim 1, wherein ~~characterized in that~~ at least some of the substituents X are C_{1-4}-alkoxycarbonyl groups.

Claim 5 (Currently Amended): The process as claimed in claim 4, wherein ~~characterized in that~~ at least some of the substituents X are methoxycarbonyl groups.

Claim 6 (Currently Amended): The process as claimed in Claim 1, wherein ~~characterized in that~~ the concentration of the polyolefin in the casting solution is from 20 to [[35%]] 35 percent by weight.

Claim 7 (Currently Amended): The process as claimed in Claim 1, wherein ~~characterized in that~~ the thickness of the film produced is from 30 to 200 µm.

Claim 8 (Currently Amended): The process as claimed in Claim 2, wherein ~~characterized in that~~ at least some of the substituents X are C_{1-4}-alkoxycarbonyl groups.

Claim 9 (Currently Amended): The process as claimed in Claim 3, wherein ~~characterized in that~~ at least some of the substituents X are C_{1-4}-alkoxycarbonyl groups.

Claim 10 (Currently Amended): The process as claimed in Claim 2, wherein ~~characterized in that~~ the concentration of the polyolefin in the casting solution is from 20 to [[35%]] 35 percent by weight.

Claim 11 (Currently Amended): The process as claimed in Claim 3, wherein ~~characterized in that~~ the concentration of the polyolefin in the casting solution is from 20 to [[35%]] 35 percent by weight.

Claim 12 (Currently Amended): The process as claimed in Claim 4, wherein ~~characterized in that~~ the concentration of the polyolefin in the casting solution is from 20 to [[35%]] 35 percent by weight.

Claim 13 (Currently Amended): The process as claimed in Claim 5, wherein ~~characterized in that~~ the concentration of the polyolefin in the casting solution is from 20 to [[35%]] 35 percent by weight.

Claim 14 (Currently Amended): The process as claimed in Claim 2, wherein ~~characterized in that~~ the thickness of the film produced is from 30 to 200 µm.

Claim 15 (Currently Amended): The process as claimed in Claim 3, wherein ~~characterized in that~~ the thickness of the film produced is from 30 to 200 µm.

Claim 16 (Currently Amended): The process as claimed in Claim 4, wherein ~~characterized in that~~ the thickness of the film produced is from 30 to 200 µm.

Claim 17 (Currently Amended): The process as claimed in Claim 5, wherein ~~characterized in that~~ the thickness of the film produced is from 30 to 200 µm.

Claim 18 (Currently Amended): The process as claimed in Claim 6, wherein ~~characterized in that~~ the thickness of the film produced is from 30 to 200 µm.